

## **AMENDMENTS TO THE SPECIFICATION**

**Please amend the paragraph beginning at page 1, line 5, as follows:**

The present invention relates to an interference signal removing apparatus for removing narrow-band interference signals from input signals including wide-band desired signals and the narrow-band interference signals, and particularly to an interference-signal removing apparatus improved in suppressing that up to a desired signal is removed.

**Please amend the paragraph beginning at page 2, line 7, as follows:**

The radio LAN of IEEE 802.11 roughly uses a ~~the~~ direct diffusion (DSSS: Direct Sequence Spread Spectrum) system and a ~~the~~ frequency hopping (FHSS: Frequency Hopping Spread Spectrum) system. In accordance with the difference between these modulated waves, it is possible to regard a signal according to the DSSS mode as a wide-band signal and a signal according to the FHSS mode as a narrow-band signal. Moreover, ~~the~~ both systems perform radio communication by using the same frequency band and systematically allow mutual interference. Therefore, it is a matter of course that ~~an~~ interference occurs between signals according to ~~the~~ both systems.

**Please amend the paragraph beginning at page 4, line 4, as follows:**

Moreover, the probability that a signal according to the DSSS mode receives ~~an~~ interference is raised because it has been ~~is~~ started to widely use a ~~the~~ standard such as Bluetooth (short-range mobile service) using, for example, the FHSS mode as the radio interface between portable units.

**Please amend the paragraph beginning at page 5, line 11, as follows:**

Next ~~Then~~, a conventional interference-signal removing apparatus is described below.

The interference-signal removing apparatus is set to, for example, a receiver for performing radio communication to remove an interference signal included in a signal received from the receiver.

**Please amend the paragraph beginning at page 6, line 20, as follows:**

Next ~~Then~~, examples of CDMA mode and interference-signal removing apparatuses according to the CDMA mode are described below.

**Please amend the paragraph beginning at page 83, line 20, as follows:**

Next ~~Then~~, an interference-signal removing apparatus of a fourth embodiment of the present invention is described below.

**Please amend the paragraph beginning at page 97, line 10, as follows:**

Next ~~Then~~, an interference-signal removing apparatus of fifth embodiment of the present invention is described below.